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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|------------------------------------------------------|----------------------|---------------------------------------------------------|--------------------------------|
| <div></div> <div>PRODUCT TECHNICAL DATASHEET<br/>(SCHEDA TECNICA PRODOTTO)</div> |  | rev. 1.0                                                              |  |                                                      |                      |                                                         |                                |
|                                                                                                                                                                   |  | 02/12/2022                                                            |  |                                                      |                      |                                                         |                                |
|                                                                                                                                                                   |  | DATASHEET CODE (CODICE SCHEDA)                                        |  |                                                      |                      |                                                         |                                |
|                                                                                                                                                                   |  |                                                                       |  |                                                      |                      |                                                         |                                |
| TYPE OF UNIT                                                                                                                                                      |  | UNIT PART NR (CODICE MACCHINA)                                        |  |                                                      |                      |                                                         |                                |
| EB 180 WT CE CUS                                                                                                                                                  |  | 42031805007                                                           |  |                                                      |                      |                                                         |                                |
| WEIGHT WITHOUT FLUID<br>(MASSA SENZA FLUIDO) [ Kg ]                                                                                                               |  | NOISE LEVEL (RUMORE) [Db]                                             |  | COLOUR (COLORE)                                      |                      | PED CATEGORY (CATEGORIA PED)                            |                                |
| 160                                                                                                                                                               |  | 74                                                                    |  | RAL 7035                                             |                      | I                                                       |                                |
| AMBIENT CONDITIONS (CONDIZIONI AMBIENTE)                                                                                                                          |  |                                                                       |  |                                                      |                      |                                                         |                                |
| MIN AMBIENT TEMPERATURE<br>(MIN TEMPERATURA AMBIENTE) [°C]                                                                                                        |  | MAX AMBIENT TEMPERATURE<br>(MAX TEMPERATURA AMBIENTE) [°C]            |  | MAX RELATIVE HUMIDITY<br>(MAX UMIDITA' RELATIVA) [%] |                      |                                                         |                                |
| 15                                                                                                                                                                |  | 45                                                                    |  | 80                                                   |                      |                                                         |                                |
| REFRIGERATION CIRCUIT (CIRCUITO FRIGORIFERO)                                                                                                                      |  |                                                                       |  |                                                      |                      |                                                         |                                |
| COOLING CAPACITY<br>(POTENZA DISSIPATA) [Kw]                                                                                                                      |  | REFRIGERANT GROUP<br>(GRUPPO REFRIGERANTE)                            |  | REFRIGERANT TYPE<br>(TIPO GAS)                       |                      | REFRIGERANT CHARGE<br>(CARICA GAS) [ Kg ]               |                                |
| 18                                                                                                                                                                |  | 2                                                                     |  | R410A                                                |                      | 2,750                                                   |                                |
| MIN PRESSURE PS<br>(MIN PRESSIONE PS) [bar]                                                                                                                       |  | MAX PRESSURE PS<br>(MAX PRESSIONE PS) [bar]                           |  | MIN TEMPERATURE TS<br>(MIN TEMPERATURA TS) [°C]      |                      | MAX TEMPERATURE TS<br>(MAX TEMPERATURA TS) [°C]         |                                |
| 2,4                                                                                                                                                               |  | 42                                                                    |  | -24                                                  |                      | 66                                                      |                                |
| HYDRAULIC CIRCUIT (CIRCUITO IDRAULICO)                                                                                                                            |  |                                                                       |  |                                                      |                      |                                                         |                                |
| COOLING FLUID TYPE<br>(TIPO FLUIDO USATO)                                                                                                                         |  | COOLING FLUID SET POINT RANGE<br>RANGE DEL SET POINT IMPOSTABILE [°C] |  | TANK VOLUME<br>CAPACITA' SERBATOIO [Lt]              |                      | STD FACTORY SET POINT<br>STD SET POINT DI FABBRICA [°C] |                                |
| WATER + GLYCOL 20%                                                                                                                                                |  | 25 ... 35                                                             |  |                                                      |                      | 27                                                      |                                |
| TYPE OF PUMP<br>(TIPO DI POMPA)                                                                                                                                   |  | NOMINAL FLOW RATE<br>(PORTATA NOMINALE) [L/min]                       |  | NOMINAL PRESSURE<br>(PRESSIONE NOMINALE) 50 Hz [bar] |                      | NOMINAL PRESSURE<br>(PRESSIONE NOMINALE) 60 Hz [bar]    |                                |
| CENTRIFUGAL/CENTRIFUGA                                                                                                                                            |  | 51,4                                                                  |  | 6,5                                                  |                      | -                                                       |                                |
| ELECTRICAL CIRCUIT (IMPIANTO ELETTRICO)                                                                                                                           |  |                                                                       |  |                                                      |                      |                                                         |                                |
| POWER SUPPLY (ALIMENTAZIONE)<br>[ V / ph / Hz ]                                                                                                                   |  | CONTROL CIRCUIT<br>(CIRCUITO DI COMANDO)                              |  | ELECTRIC HEATER<br>(RESISTENZA) [W]                  |                      | SCCR [kA]                                               |                                |
| 400/3/50-400/3/60                                                                                                                                                 |  | 24V AC                                                                |  | -                                                    |                      | 5                                                       |                                |
| MAX POWER INPUT [kW] - CURRENT INPUT [A] (ASSORBIMENTI MASSIMI)                                                                                                   |  |                                                                       |  |                                                      |                      |                                                         |                                |
| 8,50 [kW] (50Hz)                                                                                                                                                  |  |                                                                       |  | 10,50 [kW] (60Hz)                                    |                      |                                                         |                                |
| 15,50 [A] (50Hz)                                                                                                                                                  |  |                                                                       |  | 16,50 [A] (60Hz)                                     |                      |                                                         |                                |
| SCHEMES (SCHEMI)                                                                                                                                                  |  |                                                                       |  | HYDRAULIC DIAGRAM                                    |                      | ELECTRICAL DIAGRAM                                      |                                |
|                                                                                                                                                                   |  |                                                                       |  | 70006-318                                            |                      | 70010-643                                               |                                |
| INSTALLED FEATURES (OPZIONI INSTALLATE)                                                                                                                           |  |                                                                       |  |                                                      |                      |                                                         |                                |
| CONFIGURATION CUS                                                                                                                                                 |  |                                                                       |  |                                                      |                      |                                                         |                                |
| ACCESSORIES (EXTERNAL TO THE CHILLER, INSTALLATION BY CUSTOMER)<br>ACCESSORI (INSTALLAZIONE ESTERNAMENTE AL CHILLER A CURA DEL CLIENTE)                           |  |                                                                       |  | INSTALLED FEATURES<br>(OPZIONI INSTALLATE)           |                      |                                                         |                                |
| ACRONYM<br>(ACRONIMO)                                                                                                                                             |  | DESCRIPTION<br>(DESCRIZIONE)                                          |  | ELECTRICAL<br>DIAGRAM                                | HYDRAULIC<br>DIAGRAM | OTHER                                                   | DESCRIPTION<br>(DESCRIZIONE)   |
|                                                                                                                                                                   |  |                                                                       |  |                                                      |                      | APF                                                     | polypropylene air filter       |
|                                                                                                                                                                   |  |                                                                       |  | BP                                                   |                      |                                                         | Bigger Pump                    |
|                                                                                                                                                                   |  |                                                                       |  | BPG-P                                                | BPG-P                |                                                         | High precision Hot-Gas By-pass |
|                                                                                                                                                                   |  |                                                                       |  |                                                      | BPH                  |                                                         | Hydraulic relief valve         |
|                                                                                                                                                                   |  |                                                                       |  | EM                                                   |                      |                                                         | Error message label            |
|                                                                                                                                                                   |  |                                                                       |  |                                                      |                      | LTA-D                                                   | antivibration damper           |
|                                                                                                                                                                   |  |                                                                       |  |                                                      |                      | LTA-E                                                   | lifting eyebolt                |
|                                                                                                                                                                   |  |                                                                       |  |                                                      |                      | NFH                                                     | non ferrous hydraulic circuit  |
|                                                                                                                                                                   |  |                                                                       |  | RCU                                                  |                      |                                                         | Remote control of unit         |
|                                                                                                                                                                   |  |                                                                       |  | SC                                                   | SC                   |                                                         | Speed Controller Fan           |
|                                                                                                                                                                   |  |                                                                       |  | TD                                                   | TD                   |                                                         | Differential Thermostat        |
|                                                                                                                                                                   |  |                                                                       |  | TE                                                   |                      |                                                         | Electronic Thermostat          |
|                                                                                                                                                                   |  |                                                                       |  | TMX                                                  |                      |                                                         | Maximum temp. fluid alarm      |
|                                                                                                                                                                   |  |                                                                       |  |                                                      | WT                   |                                                         | Water Unit                     |